The True Jortherner

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SHOES

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We Pay 30c. cash or trade for fresh eggs

We sell Brassert's Milk and Cream.

Getting the Dollar From Under the Stump

How Up to Date Farmers Are Easily and Economically Realizing on Land Hitherto Impossible of Cultivation.

acre could be made to produce at least explosion will be equal on all sides. \$25 worth of produce per year, there is approximately \$10,000,000,000 pro- plastic nature a slow acting powder is there is always water near the surface, duction being lost annually. Quite a preferable, such as farm powder or will demand different treatment for tidy figure. And when we take into stumping powder. Where the earth is extraction. The older stumps, especialconsideration that in many cases it re- sandy or loose and is apt to permit by if from timber free from resin, regrowing in popularity daily.

of a stump is to confine a quantity of a most favorable condition. exploded the expanding gases will lift powder necessary to blast a certain the bill.

BOUT 400,000,000 acres of land the stump out of the ground. To se, kind or size of stump can be given,

quires only the removal of sundry the easy escape of gases a fast explo- quire less powder. The control of sundry the easy escape of gases a fast explostumps and boulders to make this land sive, such as 40 to 60 per cent dyna- necessary for set comments and boulders to make this land sive, such as 40 to 60 per cent dynaprofitable, it certainly looks as though mite should be used. The condition of ever, be readily determined with a bisomething might be done to save the the soil with respect to moisture also the experimenting. waste. "Stumping with dynamite" is has a great influence upon the amount | Few tools and supplies are required.

included in farms throughout cure best results the charge should be since different conditions govern all the United States are unim- placed in the soil well under the base cases. Two stumps of the same size, proved. Figuring that each of the stump at the point where the kind and age of cut, when one is grown must penetrate a great depth for water Where the soil is of a heavy clay or and the other is grown on soil where

Germany would seem to have given

the lead in the mutter of temperance societies. On Jan. 18, 1517, a man named Sigismund de Diettrichstein formed the Order of St. Christopher. and in 1600 the landgrave of Hesse

formed the Order of Temperance, both

societies aiming at the promotion of

moderation. What moderation meant in bygone Germany may be gathered

from the fact that members of the first

order pledged themselves to abstain

from toast drinking, while those of

the second were pledged "not to drink more than seven glasses of liquor at a time and that not oftener than twice a

both an economical, quick and labor of work that a certain quantity of pow- A one and one-half inch wood auger saving method as well as one that is der will do. After heavy rains when with a shank about four and one-half the soil is saturated to the base of the feet long, a medium sized crowbar, a The method involved in the blasting stump and the subsoil is just damp is round pointed shovel and a wooden tamping stick, together with the powexplosive in such a manner that when No set rules as to the amount of der, fuse and caps, will serve to fill

Blasting Ground For Tree Planting

plant a tree or trees, but if the experi- in the fall, because at this time of the have any weight on the topic, then the in dry condition. Blasting in the spring practice of using dynamite preliminary for spring planting, however, is much to planting young trees has fully better than planting in dug holes, notproved its merits.

The writer has personally seen spe- is apt to be wet or damp.

TOPSOIL

BRUKEN SUBSUIL

Much has been written on how to, Blasting for tree planting is best done ences of scores of famous orchardists year it is easier to catch the subsoil

withstanding the fact that the subsoil cific examples of the value and excel- If the holes are blasted in advance of lence of tree planting with dynamite the time of setting the trees they are on a private orchard in Delaware, the left without further attention until

THE BLAST THOROUGHLY CRACKS THE SOIL, BUT USUALLY LEAVES A CAVITY OR POTHOLE AT THE BOTTOM - THIS MUST BE FILLED.

took di ace in growth between the untree planting time, unless it is desir-

equate comparison could be made.

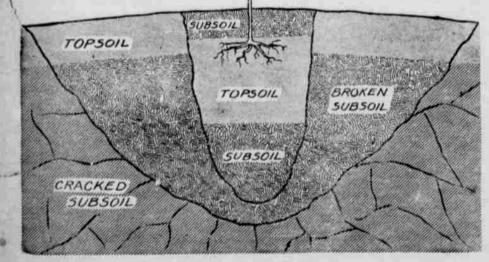
CRACKED

SUBSOIL

and logical reasons for this method of the hole will materially assist in floctree planting that even the most skep- culating the clay and keeping it pertical could not fail to be convinced. manently granulated and sweet. Obviously when a tree has to use a large part of its energies in forcing its roots through the hard soil it cannot be expected to make the same rapid growth and come into such

mited tree and the tree planted able to add some manure or fertilizer olasted ground being so unmistak- to be diffused through the soil. This auly in favor of the latter that no ad- is an excellent practice, especially in poor soil. If the earth is sour, sticky Furthermore, there are so many sane clay a few pounds of lime scattered in

Immediately after the blast the soft blasted ground should be dug out down to the location of the charge, where a hole will usually be found about the size of a bushel basket. This



THE ROOTS ARE FIRMLY EMBEDDED IN RICH TOPSOIL, SURROUNDED BY MELLOW, WELL DRAINED SUBSOIL.

early bearing as a tree would that had | must be filled to prevent settling of the had the ground in which it was planted tree after planting. The roots should be thoroughly prepared by dynamiting be- placed in a natural position in good top

pan or impacted subsoil without first be filled to a little above the surface resorting to blasting, so that the soil may be made open and porous. Such lasting not only creates channels, in- orchardists use this method proves reases absorption of sell metrine and that it pays in reduced first year loss,

soil, covered with more top soil and with subsoil. The fact that nearly all commercial

permits deeper rooting, but it also in-duces better growth and larger yields. yields. Real Hanger

A Burst of Elequence Tais is from Australia: "Gentlemen.

member of this house has taken adintage of my absence to tweak my o oss behind my back. I hope that the ext time he abuses me behind my ack like a coward be will do it to my ce like a man and not go skulking to the thicket to assail a gentleman he isn't present to defend himself."xchange.

Pretty Small One. Cholly-Miss Mabel, do you know 've stolen my heart? Mabel-Oh, Il, that's only petit larceny!

Little Willie's make the to bed without any

At 8 o'clock, so Water by 6 in his little bed in the dark, his father appeared at the few and whispered: "Son, could you est some honey in the comb?"

"Jiminy, dad?" Wille answered, "I could eat it in the brush!"-Exchange.

Keeping Birthdays. The custom of keeping birthdays is very old. Pharaoh's birthday festivities are mentioned in the Pentateuch.

The Music of Thunder. The bass of thunder is considerably

ower than the lowest sound produced n an orchestra-below the zero of music, we call it, at which all positive aprehension of musical sound ceases and our senses are merely conscious of a oar. In observing the music of thunler our attention, however, may be nost profitably directed to the expresion rather than to the notes. The muical diminuendo is more perfectly represented by thunder than by any other form of sound in nature. After the first clap is over the ear will pursue with pleasure the rolling away and gradual fainting of the peal until at an mmeasurable distance it sinks into si-

Explosives In Road Building

One of the newer methods of road building that is fast winning the indorsement of the better versed contractor is that of employing dynamite for reducing the heavy work.

Grading through hard ground or rock, for instance, is tedious and requires time and labor. The use of dynamite for blasting such material is a welcome relief. Both rock and hard clay may be loosened in the cut by well placed charges of explosives if holes are drilled into the ground a little way up the bank and loaded. Careful spacing and loading for electrically fired blasts will result in bringing down both classes of materials in the best possible manner.



In loosening shale and rock to facilitate hand or steam shovel work dynamite is also very effective, while stumps may be blasted from the roadbed just as though they were being removed from a field to be cleared and cultivated.

Boulders also are easily shattered by suitable loading and when of hard rock may be crushed into surfacing stone. The side ditches as well as the long outfall ditches can also be blasted in keeping with the nature of the ground. In fact, there are no limits practically to the many uses and advantages of dynamite for road building when care-No tree should be planted over hard- treaded down firm. The hole can then ful and thoughtful attention is given

Incidentally the planting of shade trees for roadside improvement and atractiveness is greatly facilitated by the judicious use of a little dynamite. It is a recognized fact that trees plant-ed in blacked below grow much more rapidly and progress more favorably than these planted in the average spade ing ground.

Like Our Own Moon.

Observations made at the Lovell observatory on the varying brightness of two satellites of Saturn, viz., Mines and Enceladus, indicate that these bodies rotate on their axes in periods identical with those of their revolution around the primary, L e., they behave like our own moon, and probably like ratellites generally.

Ladies' Men's and Children's UNDERWEAR

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Men's .---- 50c to \$1 00 Ladies' 25c to \$1.00 Children's 19c to \$1.00 | Children's 19c to 50c

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makes in 15 different styles. These are the very best fitting qualities and are well boned and heavy. These good qualities constitute

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50c. to \$2.00

Deepening the Farm For Bigger Crops

The Third Dimension of the Farm an Important Factor to Greater Crops and Bigger Dividends.

breadth. Depth is a vital factor, and incidentally this third dimension has a clearly identified influence upon the producing value of the earth's surface.

Thus "vertical farming," a newer reach the bacon. And experience has bumper crops.

Often the productivity of a farm is

farther than length and way, but to go deeper into the farm, to increase its fertility and productiveically, and very often a single cartridge of explosive will convert several tles from a hog's hide is not enough. and embracing more territory, vertical Deeper cutting is essential in order to farming enables the farmer to really able features of the process.

And there is a practical reason for limited by the tight clay or hard pan this. By breaking up the subsoil oxy- be done successfully only when the underlying the top soil. Costly imple- gen is admitted into the ground, and subsoil is dry. ments for tilling this upper soil and the pent up natural fertilizing elements | Few tools are required for the work.

TAT ISE farmers are beginning to taking care of increased horizontal or of the lower soils are released and realize that a farm goes surface acreage are all right in their utilized. A reservoir for the storage of water is created, and a good home for the roots is produced. Good roots ness by increasing its depth, is a mat- are essential to good plants. Men ter that the practice of vertical farm- who look below the surface realize ing accomplishes quickly and econom. these facts. They know also that a plant produces only in proportion to the extent of air, water and nourishyards of otherwise useless subsoil into ment given its roots. Thus is the newmethod of agriculture, is rapidly de half an acre of new root feeding sur- er method of vertical farming both veloping. Merely to scrape the bris- face. Thus, instead of spreading out logical and profitable. This method of farming vertically to concentrate and by intensive methods A half cartridge charge of farm pow-

in itself easy, simple and labor saving. shown that to simply plow or turn the conserves in both labor and expense. der placed well down into the tight top soil is very often only the scratch- At the same time the resulting in- subsoil at intervals of about a rod, ing of the surface when it comes to crease in crops emphasizes the profit- tamped properly and fired carefully will do the work quickly and economically. Subsoil blasting, however, can

Peculiarities of Worms.

Many creatures supposed to have ome of their "senses missing" are not o insensitive as people often think. Worms have neither eyes nor ears and yet are sensitive to light and music (vide Darwin's "Earthworms"). A bluebottle, in spite of not having a nose, finds out a piece of bad meat easily enough. In short, many of the lower animals contrive to see, hear. taste or smell sufficiently for their purpose, and often in a high degree, without being able to point to any special organs of these senses in their bodies. and to suppose they are devoid of a sense because we are unable to discover it is frequently to confess our

Improvement.

"Don't you think," I inquired of the prosperous looking man with the heavy mustache and watch chain, who was dressed in the fourteen inch balk line suit "shat the world is getting bet-

of he septed with a frank on-"Not only bet but coulty."-Boston Journal.

Queer.

"That young doctor is queen," "In what way?" "He admitted that he didn't know

anything about my case." "A let of dectors do that nowadays."

"I know, but this fellow also somitted that he didn't know another doctor he could turn me over to."-Detroit Free Press.

Watching the Bridegroom. It was not only the matchmaking.

advertising parson who made money out of the bygone bridegroom. There was the man who watched the bride groom for twenty-four hours or so be fore the time fixed for the ceremony lest he turned tail at the thought of the ordeal and its after effects. Here is an entry in the register of a village church in Huntingdon which illustrates the custom: "December, 1647. Paid for wages spent upon the man that watched John Pickle all night and the next tions recall Stevenson's definition of by the police."-London Chronicle.

Economy.

"Where do you live?" asked a man of his Richmond friend.

"Next to - Grace street." "Why do you say 'next to?"

"Because the man who lives next door has a number painted on his tran-What's the use of my spending to have my number painted?"and Times Dispatch.

Sumbon Bark.

They tell me that Smith was ed today because he drowned his day in the river," said Jones.

"Bow could they arrest him for drewning a dog in the river?' der

"Why, they claimed that a such bark obstructed navigation," replied Jones.-Spokane Spokesman Review.

A Curious Mineral.

Perhaps the most curious mineral found in the United States is staurolite, otherwise known as the "fafry stone." This is an iron aluminum silicate found only in Virginia and North Carolina, the reddish brown and brownish black crystals occurring in well cefined single and double crosses. There is some commercial demand for the crosses as curios, which are worn as watch charms or on chains in the manner of a locket or lavalliere-a demand perhaps stimulated by the quaint legend which is told of their origin; the fairles day till he was married." Such precau living in the caves of the mountains, on hearing the sad tidings of the death marriage as a "friendship recognized of Christ, fashioned these crosses as mementos of him.

The Nerve of Him.

Young Alfred had been reading the evening paper and paused contemplatively for a few moments.

"Father," said he, "what is 'mer-"Well, if I have it, it's pure hadren.

but if your mother has it it is persons

prostration," responded father, with a yawn.-St. Louis Post-Dispatch. Lessening the Trouble.

These are the smallest sandwishes

ever saw for the meney," completed a tourist in a seaside restaurant. "Yes," replied the waitress; "there

was so much complaint of the quality of them that I thought I would make them smaller, so that there would not be so much to grumble about."-Lon-